INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/37106

A. CLASSIFICATION OF SUBJECT MATTER			
IPC(7) : A47J 31/00 US CL : 99/305, 283			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 99/305, 283, 282, 281, 280			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
X	US 6,003,435 A (PATEL) 21 December 1999, see entire document.		1, 3, 9, 11, 12
 Y			4, 5, 8
Y	US 6,612,224 A (MERCIER et al) 02 September 200	03, see entire document.	4, 5, 8
Α	US 5,647,055 A (KNEPLER) 08 July 1997.		
Α	US 6,439,105 A (FORD) 27 August 2002.	•	
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	documents are listed in the continuation of Box C.	See patent family annex.	renational filing data or priority
	pecial categories of cited documents:	"T" later document published after the inte date and not in conflict with the applic	cation but cited to understand the
"A" document	t defining the general state of the art which is not considered to be	principle or theory underlying the inve	
	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be conside when the document is taken alone	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means		"Y" document of particular relevance; the considered to involve an inventive ste	p when the document is
		combined with one or more other such documents, such combination being obvious to a person skilled in the art	
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family	
Date of the actual completion of the international search		Date of mailing of the international search report 23 FEB 2005	
07 Tebruary 2005 (07.02.2005)		Authorized officer	
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US		10000	
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